

# PATENT ABSTRACTS OF JAPAN

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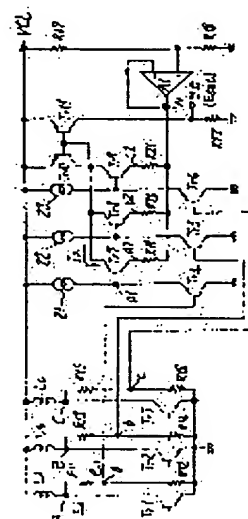
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## (54) DETECTOR FOR SPEED SIGNAL OF BRUSHLESS MOTOR

### (57)Abstract:

**PURPOSE:** To enable speed control having excellent response by detecting and adding a section higher than the midpoint potential of each drive coil in the back electromotive voltage of respective drive coil and using the section as a speed signal.

**CONSTITUTION:** Drive coils La, Lb, Lc are connected in series with drive transistors Tr1, Tr2, Tr3, and one ends of these coils are connected in common and given predetermined midpoint potential VCL. The back electromotive voltage of each drive coil La, Lb, Lc is detected by resistors R11 ~ R15, and a section higher than midpoint potential VCL in these back electromotive voltage is detected and added by Tr4 ~ Tr11, and outputted as a speed signal from a resistor R22.



## LEGAL STATUS

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